



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

December 10, 2015

Ms. Liane Jenkins
Senior Regulatory Compliance Specialist
Lonza Inc.
90 Boroline Road
Allendale, NJ 07401

Subject: Notification per PRN 98-10 – Add parenthesis on page 1: Manufactured (for) by:
Remove periods on page 3 & Add parenthesis in Warranty Statement
Product Name: US-LON-A
EPA Registration Number: 6836-350
Application Date: October 29, 2015
Decision Number: 511004

Dear Ms. Jenkins:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped “Notification” and will be placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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EPA Reg. No. 6836-350
Decision No. 511004

If you have any questions, you may contact Melody Banks at (703) 305 5413 or via email at Banks.Melody@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Melody Banks" with "for" written below it.

Venus Eagle, Product Manager 01
Invertebrate & Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticide Programs

NOTIFICATION

6836-350

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

12/10/2015

US-LON-A

Active Ingredient:	
Metaldehyde (2,4,6,8-Tetramethyl-1,3,5,7-tetraoxycyclo-octane).....	3.0%
Other Ingredients:	<u>97.0%</u>
Total:	100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION

See (left) (side) (right) (back) panel for First Aid and (additional) precautionary statements.

EPA Reg. No. 6836-350
 EPA Est. No. {Insert EPA Est. No.}
 NET WT: _____
 (Made in {insert country of origin})
 (Manufactured in {insert country})

[Barcode]

Lonza Inc.
 90 Boroline Road
 Allendale, New Jersey 07401

(Note to reviewer: The sections on this page must appear in the order shown.)

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none">• Call poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none">• Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment advice.
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
POISONING HOTLINE: Seek medical care as soon as possible after exposure. For incidents involving animals, seek veterinary care as soon as possible after exposure. Have the product container or label with you when calling a poison control center or doctor or veterinarian, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies, treatment advice, or pesticide incidents), call National Pesticide Information Center (NPIC) at 1-800-858-7378.	
Metaldehyde is a systemic toxin. There is no antidote. The following instructions are not intended for lay people. There is no home treatment. Exposed individuals and animals should receive emergency care as quickly as possible.	
NOTE TO PHYSICIAN Dust inhalation is usual route of accidental exposure; the product is rarely ingested. Treatment is symptomatic and supportive. Monitor severe exposures closely: seizures, electrolyte imbalances, acidosis, dehydration, and increased body temperature have been reported.	
NOTE TO VETERINARIAN: Animals typically are exposed via ingestion. Treatment is symptomatic and supportive. If significant ingestion suspected, and the animal is asymptomatic, consider induction of emesis or gastric lavage and administration of activated charcoal, cathartic and enema to limit absorption. Monitor asymptomatic and symptomatic animals closely. Treat seizures, electrolyte imbalances, acidosis, dehydration, and increased body temperature. Monitor liver function post recovery.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust.

IMPORTANT: This pesticide can be harmful to children and fatal to domestic animals when ingested. Children and dogs may be attracted to the product. Application of this product is prohibited unless children and domestic animals can be excluded from the treated area from the start of the application until applied material is no longer visible.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators, and other handlers must wear:

- Long-sleeved shirts and long pants,
- shoes plus socks.
- Chemical resistant gloves made of any waterproof material.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them.

(Note to reviewer: The following section must appear in a box.)

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet..
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mollusks (e.g., clams, oysters, scallops, mussels). Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.

Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment rinse waters or rinsate.

This pesticide is toxic to birds and mammals. Granules on soil surface may be hazardous to terrestrial wildlife. Cover or collect any such materials spilled during loading.

(Note to reviewer: The following is considered optional marketing language:)

Meta Logo:



Contains Meta® (metaldehyde), “The Molluscicide”

A soil surface treatment for control of snails and slugs around ornamentals, listed small fruits & berries, citrus, listed vegetable crops and grass grown for seed.

For control of SNAILS and SLUGS

For more information (visit) www.metaworksbest.com

(Product Name) – Granular Bait Containing 3% (w/w) Metaldehyde

(Product Name) is a pelleted (ready to use) molluscicide for the control of slugs in agricultural crops (list crops).

Slug Control

(This Product) pellets are an effective metaldehyde containing bait application which are readily ingested by slugs, especially by species belonging to the genera (Arion (e.g. Arion hortensis, A. circumscriptus), Deroceras (e.g. Deroceras laeve, D. reticulatum), Milax (e.g. Milax gagates) and the snail Helix aspersa. After ingestion slugs are immobilized. Death follows by destroying the mucus-forming tissue and the resulting loss of water. Best results are achieved by application during mild damp weather when slugs are most active but when rain is not expected.

Meta® is a registered trademark of Lonza Ltd.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Do not apply this product in a way that will contact workers or other persons, either directly or indirectly or through drift. Only protected handlers may be in the area during application.

IMPORTANT: Read entire label. Use in accordance with precautionary statements and directions, and with applicable Federal and State regulations. **DO NOT APPLY DIRECTLY ONTO PLANTS.** Do not allow bait to contact the edible portion of any food crop.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR, Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval of 12 hours.

PPE required for early entry to treated areas permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

FOR STATE AND/OR FEDERAL INVASIVE MOLLUSK ERADICATION OPERATIONS

This product may be used only on the following use sites in response to State and/or Federal invasive mollusk eradication operations.

Broadcast applications of this product may be made to the following use-sites for State and/or Federal invasive mollusk eradication operations: fallow land; barrier strips; uncultivated non-agricultural areas; recreational areas; non-food or non-feed brush; weed or dense vegetative areas; railroad, pipeline, highway, power and telephone rights of way and roadsides; guardrails and fences; lumberyards; storage areas; seaports; industrial facility sites, including yards and walkways around industrial buildings, parking areas, parks, golf courses, other public areas; and airport and similar industrial non-crop areas.

This product may be applied for State and/or Federal invasive mollusk eradication operations at an individual application rate of no more than 2 lb ai/A, and at no more than six applications/year.

RESTRICTIONS

This product is intended solely for use on agricultural crops grown for commercial or research purposes, and in State and/or Federal invasive mollusk eradication operations. This product may not be applied to residential sites (i.e., in yards, gardens, around homes and apartments) and other sites such as the exterior areas around schools and daycare facilities, and athletic fields, playgrounds, parks, recreation areas, etc.

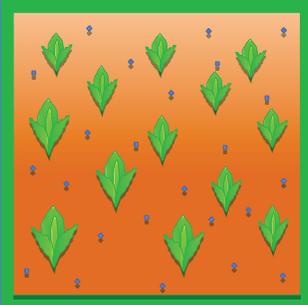
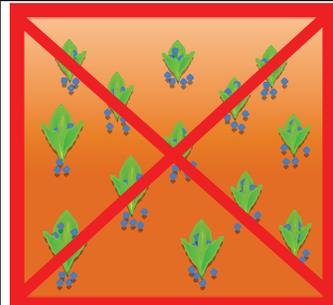
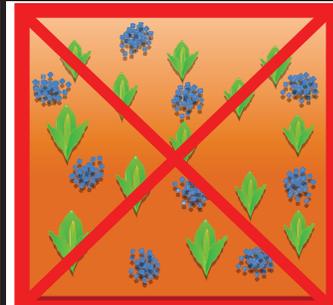
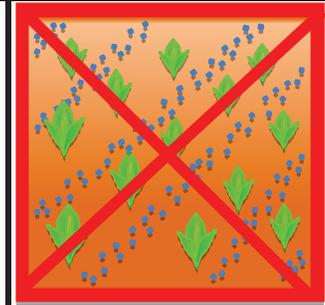
Broadcast applications and applications of this product directed to plant parts are prohibited except to grass grown for seed, beans, peas, clover and ginseng and as specified for use in State and/or Federal invasive mollusk eradication operations.

When to Apply:

- Apply when first plant damage appears or is anticipated.
- For best results, apply after irrigation
- Apply any time of the day; however, evening applications are preferred
- Number of applications allowed per season indicated in table below

How to Apply

- (This product) should never be applied to dry soil.
- Applications should be made following irrigation for best results.
- Apply by hand or with commercial application equipment designed for banded application of granular products. **Unless broadcast application is specifically permitted for the crop being treated.**
- For Artichokes, Berries, Vegetables, Tomatoes and Strawberries: Apply in band between rows and/or directed toward base of the plants. Do not apply as a wide-area broadcast.
- For Citrus application: Apply in a band under tree canopy. Do not apply as a wide-area broadcast.
- For Grass Grown for Seed: Apply by broadcast application.
- **For Beans, Peas, Clover and Ginseng: Apply by broadcast application, directing product to the soil.**
- Apply after formation of edible parts **unless otherwise instructed under Application Rates.**
- Do not re-water for 48 hours after application
- Apply as a soil surface treatment
- Do not apply directly to or contaminate edible portions of the plant
- Do not mix with any seeds prior to application

			
CORRECT	INCORRECT Do not apply directly to foliage	INCORRECT No mounding	INCORRECT Do not over apply. Follow label directions

APPLICATION RATES:

ARTICHOKES (perennials): Band application in borders and around perimeter of crop. The maximum application rate is 33.3 pounds product (1.0 lb ai)/A per application. The maximum number of applications per growing season is 6 at a minimum of retreatment interval of 18 days.

(Note to reviewer: Language in () is optional, interchangeable or a comment for the EPA reviewer)

ARTICHOKES (annuals): Band application in borders and around perimeter of crop. The maximum application rate is 33.3 pounds product (1.0 lb ai)/A per application. The maximum number of applications per growing season is 2 at a minimum of retreatment interval of 18 days.

PEAS AND BEANS: Broadcast application (directing product to soil). The maximum application rate is 33.3 pounds product (1.0 lb ai)/A per application. The maximum number of applications per growing season is 3 at a minimum of retreatment interval of 7 days. All applications must be made prior to bloom.

BERRIES:

Blueberries: Band application in borders and around perimeter of crop.

The maximum application rate is 26.6 pounds product (0.8 lb ai)/A per application. The maximum number of applications per growing season is 3 at a minimum of retreatment interval of 14 days.

Caneberries (bingleberry, black raspberry, blackberry, boysenberry, dewberry, lowberry, marionberry, olallieberry, red raspberry, youngberry) and Other Berries (currant, elderberry, gooseberry, huckleberry, loganberry, lingonberry, juneberry, salal):

Band application in borders and around perimeter of crop. The maximum application rate is 26.6 pounds product (0.8 lb ai)/A per application. The maximum number of applications per growing season is 3 at a minimum of retreatment interval of 14 days.

CITRUS (Australian desert lime; Australian finger-lime; Australian round lime; Brown River finger lime; calamondin; citron; citrus hybrids; grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; mount white lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangerine (mandarin); tangor; trifoliate orange; unqi fruit; cultivars, varieties, and/or hybrids of these): Band application under tree canopy. The maximum application rate is 33.3 pounds product (1.0 lb ai)/A per application. The maximum number of applications per growing season is 6 at a minimum of retreatment interval of 14 days.

CLOVER: Broadcast application (directing product to soil). The maximum application rate is 26.6 pounds product (0.8 lb ai)/A per application. The maximum number of applications per growing season is 2 at a minimum of retreatment interval of 10 days. Establish a 30-day pre-harvest interval for forage and hay.

GINSENG: Broadcast application (directing product to soil). The maximum application rate is 33.3 pounds product (1.0 lb ai)/A per application. The maximum number of applications per growing season is 6 at a minimum of retreatment interval of 21 days. Establish a 21-day pre-harvest interval.

Lettuce, Cole Crops, And Other Leafy Greens: (broccoli, Brussels sprouts, cabbage, cauliflower, cavalo, broccolo, collards, kale, kohlrabi, mizuna, mustard greens, spinach, rape greens):

Band application in borders and around perimeter of crop. The maximum application rate is 33.3 pounds product (1.0 lb ai)/A per application. The maximum number of applications per growing season is 3 at a minimum of retreatment interval of 14 days.

GRASS GROWN FOR SEED: Broadcast application (uniform application to entire area) The maximum application rate is 26.6 pounds product (0.8 lb ai)/A per application. The maximum number of applications per growing season is 4 at a minimum of retreatment interval of 21 days. Applications to turfgrass (other than grass grown for seed or in State and/or Federal invasive mollusk eradication operations) are prohibited.

TOMATOES (bush tomato, cocona, currant tomato, garden huckleberry, goji berry, groundcherry, naranjilla, sunberry, tomatillo, tomato, tree tomato, cultivars, varieties, and/or hybrid of these): Band application in borders and around perimeter of crop. The maximum application rate is 33.3 pounds

product (1.0 lb ai)/A per application. The maximum number of applications per growing season is 3 at a minimum of retreatment interval of 14 days.

STRAWBERRIES: Band application in borders and around perimeter of crop. The maximum application rate is 33.3 pounds product (1.0 lb ai)/A per application. The maximum number of applications per growing season is 3 at a minimum of retreatment interval of 14 days.

FOR USE ONLY AS AN AGRICULTURAL MOLLUSCIDE				
Crop	Maximum rate/application (lbs product/A)	Maximum number of application/growing season	Retreatment Interval period (days)	Preharvest Interval (days)
Artichoke (annuals)	33.3	2	18	0
Artichoke (perennials)	33.3	6	18	0
Berries	26.6	3	14	0
Citrus	33.3	6	14	0
Clover	26.6	2	10	
Clover (forage and hay)	26.6	2	10	30
Ginseng	33.3	6	21	21
Lettuce, Cole Crops and Other Leafy Greens	33.3	3	14	0
Peas and Bean	33.3	3	7	Pre-bloom
Peas and Bean (forage and hay)	33.3	3	7	1
Tomatoes	33.3	3	14	0
Strawberries	33.3	3	14	0
Grass Grown for Seed	26.6	4	21	0

(Note to reviewer: Language in () is optional, interchangeable or a comment for the EPA reviewer)

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE:

This product can be harmful to children and fatal to dogs and other domestic animals if ingested. Dogs have been known to ingest Metaldehyde after opening or tearing packaging. Store this product in its original packaging, in a cool, secure location, and out of reach of children and pets.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to the label instructions, contact your State Pesticide or Environmental Control Agent or the hazardous waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Completely empty container into application equipment. Offer for recycling, if available or dispose of empty container in a sanitary landfill, or by incineration.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY LONZA OR THE SELLER AND (2) LONZA AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD OR USE OF THE PRODUCT, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, THE MANNER OF USE OR APPLICATION, OR WEATHER CONDITIONS, ALL OF WHICH ARE BEYOND THE CONTROL OF LONZA AND SELLER AND ARE ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, LONZA AND SELLER, AND NO PERSON OR AGENT OF LONZA OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY BEYOND THOSE CONTAINED HEREIN.

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If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.